

Work Order ID 52152

Thursday, September 17, 2009 8:10:11 AM

Page 1

Item ID: D209-669-014

Accept

Revision ID: B

Item Name: Skidtube RH

Start Date: 9/18/2009 Start Qty: 1.00

Required Date: 10/9/2009 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D209-669-014

Rev B

DSI 9450

Rev A

100

0.00



DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile & type labels per PPP D209-669-014 CHG003

0.00

5 09/10/06

110

Pick Kit

0.00



Packaging

Packaging

Memo

0.00

09/09/30 ①

52179

Work Order ID 52152

Thursday, September 17, 2009 8:10:11 AM

Page 2

Item ID: D209-669-014

Accept

Revision ID: B

Item Name: Skidtube RH

Start Date: 9/18/2009 Start Qty: 1.00

Required Date: 10/9/2009 Req'd Qty: 1.00

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

120

QC4- 100% Inspect kits for completeness

0.00

2) 5 09/10/06

QC

Memo

0.00

Quality Control

⑩

/

130

Packaging

0.00

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPPD209-669-014
Location: _____

09/10/06

140

QC21- Final Inspection - Work Order Release

0.00

QC

Memo

0.00

Quality Control

09/10/06

MF 09-10-06

Picklist Print

Thursday, September 17, 2009 8:10:10 AM

Page 1

Work Order ID: 52152

Parent Item: D209-669-014RevB

Parent Item Name: Skidtube RH

Comments:

Start Date: 9/18/2009

Required Date: 10/9/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

S D209-669-043RevB
Replacement Skidtube

Warehouse Location	Loc Qty	Loc Code
Premier		
Mezz	3	
22797	1	
39205	1	
39206	1	

S D2917-2RevB
Saddle RH

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
FG	3	
51328	3	

S D2918-2RevB
Saddle RH

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
ST	3	
43138	1	
51330	2	

ch B52132

52119 9/10/09 (1)

B52128 1X 9/10/09
52129 9/10/09 SF

50
9/30/09 52133 (14)

(PK)

Picklist Print

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152



Parent Item: D209-669-014RevB



Parent Item Name: Skidtube RH

Start Date: 9/18/2009

Required Date: 10/9/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN4-51A

Purchased

No

110

Each

354.0000

8.0000



Bolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

354

110328

2

111635

102

112314

100

112489

100

112641

50

EP 09/29/30

D2570RevB

Manufactured

No

110

Each

139.0000

24.0000



Bushing

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

15

47246

15

Main Warehouse

ST36

124

50356

124

EP 09/29/30

for

B51519

(24k)

Picklist Print

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152



Parent Item: D209-669-014RevB



Parent Item Name: Skidtube RH

Start Date: 9/18/2009

Required Date: 10/9/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

S

MS21042L4



Purchased

No

110

Each

8,148.000

24.0000



EP 09/09/30

Nut

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

8148

107499

5

108145

4

110450

1

110507

184

111827

5996

112314

1893

15924

0

7690

24

8182

41

24

S

AN5-36A



Purchased

No

110

Each

555.0000

4.0000



EP 09/09/30

Bolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

555

109545

11

110467

7

110731

4

112243

20

112314

463

112385

50

4

Picklist Print

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152

Parent Item: D209-669-014RevB

Parent Item Name: Skidtube RH

Comments:

Start Date: 9/18/2009

Required Date: 10/9/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN960JD516

Purchased

No

110

Each

1,097.000

8.0000



Washer

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

1097

100564

2

106167

6

107534

34

107959

43

108246

46

108672

2

109059

49

109752

22

110363

46

110523

57

111279

43

112082

247

112314

500

9/09/09/30

\$ M112794

MS21042L5

Purchased

No

110

Each

1,279.000

4.0000



Nut

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

1279

110382

10

111636

269

112314

1000

9/09/09/30

4

Picklist Print

Page 5

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152



Parent Item: D209-669-014RevB



Parent Item Name: Skidtube RH

Start Date: 9/18/2009

Required Date: 10/9/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN4-7A		Purchased	No			110	Each	201.0000	16.0000			
--------	--	-----------	----	--	--	-----	------	----------	---------	--	--	--



Bolt



EP 09/09/30

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

201

111668

1

112314

50

112385

50

112641

100

16

Picklist Print

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152

Parent Item: D209-669-014RevB

Parent Item Name: Skidtube RH

Comments:

Start Date: 9/18/2009

Required Date: 10/9/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN960JD416

Purchased

No

110

Each

8,313.000

32.0000



Washer

9/30/09/30

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

8313

102929

2

105906

4

106277

2

107321

23

107939

114

108161

553

108827

31

109249

69

110523

340

111279

101

111916

2187

112314

4887

16941

0

32

D2929RevB

Manufactured

No

110

Each

15.0000

2.0000



Spacer

9/30/09/30

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

15

43376

15

2

Picklist Print

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152



Parent Item: D209-669-014RevB



Parent Item Name: Skidtube RH

Start Date: 9/18/2009

Required Date: 10/9/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

S D2930RevB Manufactured No



Spacer

110

Each

11.0000

2.0000



EP 09/09/30

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

11

43378

11

B 52249 (24)

S D3405-041RevB Manufactured No



Lug Assembly

110

Each

10.0000

1.0000



EP 09/09/30

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

10

51254

10

B 51673 (14)

S AN4C47A Purchased No



Bolt

110

Each

222.0000

4.0000



EP 09/09/30

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

222

110847

4

112431

18

112489

100

112641

100

4

Picklist Print

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152

Parent Item: D209-669-014RevB

Parent Item Name: Skidtube RH


Comments:

Start Date: 9/18/2009

Required Date: 10/9/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21043-4  Nut		Purchased	No			110	Each	1,397.000	5.0000			

Warehouse
Location

Loc Qty

Loc Code

OFFSHORE

FG

40

104603

40

Main Warehouse

ST

1357

111819

35

112243

22

112314

1000

112492

300

Ep 09/09/30

D3405-043RevB

Manufactured

No



Lug Assembly

110

Each

12.0000

1.0000



Ep 09/09/30

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST

12

46589

1

46863

1

51255

10

B51652 (1+)

Picklist Print

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152



Parent Item: D209-669-014RevB



Parent Item Name: Skidtube RH

Start Date: 9/18/2009

Required Date: 10/9/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

S D3407-041RevE Manufactured No

110

Each

35.0000

1.0000



Tow Ring

EP 09/09/30

on

Warehouse

Loc Qty

Loc Code

Location

OFFSHORE

FG

3

35780

3

Main Warehouse

ST

1

48356

1

Main Warehouse

ST464

31

51659

31

S D3456-1RevA Manufactured No

110

Each

232.0000

1.0000



Washer

EP 09/09/30

Warehouse

Loc Qty

Loc Code

Location

OFFSHORE

FG

7

25701

7

Main Warehouse

ST

225

46752

25

51653

200

Picklist Print

Page 10

Thursday, September 17, 2009 8:10:10 AM

Work Order ID: 52152



Parent Item: D209-669-014RevB



Parent Item Name: Skidtube RH

Start Date: 9/18/2009

Required Date: 10/9/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3417-5RevE

Manufactured

No

110

Each

152.0000

2.0000



Washer

EP 09/09/30

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

152

51649

152

2

Thursday, September 17, 2009 8:10:10 AM

Shop Packet Print

Page 10

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D209-669 REV. B

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 52152

INSTRUCTIONS:

1) FOR D209-669-011/-012/-013/-014 SKID TUBES @ CHANGE 003 AND SUBSEQUENT, MODIFY THE FOLLOWING:

- a) REPLACE THE D2968-041 TOW RING WITH THE D3407-041 TOW RING ASSEMBLY.
- b) REPLACE THE D2736-1 AND D2736-3 GHW LUGS WITH THE D3405-041 AND D3405-043 LUG ASSEMBLIES.
- c) AMEND THE PARTS LIST IN SECTION 5.0 OF INSTALLATION INSTRUCTIONS IIN-D209-669 REV. B AS SHOWN ON PAGE 2 OF THIS DSI.

NOTE: ALL INSTALLATION FASTENERS FOR THE ABOVE CHANGES HAVE BEEN UPDATED. SEE THE AMENDED PARTS LIST ON PAGE 2 FOR DETAILS.

A	NEW ISSUE	AJS	09.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9450	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SKIDTUBE INSTALLATIONS	NTS
DATE	09.02.24	COPYRIGHT © 2009 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

5.0 PARTS LIST

52152

ITEM	QTY -011	QTY -012	QTY -013	QTY -014	QTY -041	QTY -043	PART NUMBER	DESCRIPTION
	X						D209-669-011	SKIDTUBE INSTALLATION, LH (AH-1W/J)
		X					D209-669-012	SKIDTUBE INSTALLATION, RH (AH-1W/J)
			X				D209-669-013	SKIDTUBE INSTALLATION, LH (AH-1P/F/S)
				X			D209-669-014	SKIDTUBE INSTALLATION, RH (AH-1P/F/S)
	1	1			X		D209-669-041	REPLACEMENT SKIDTUBE (AH-1W/J)
			1	1		X	D209-669-043	REPLACEMENT SKIDTUBE (AH-1P/F/S)

IS:

50	4	4	1	1			D3405-041	LUG ASSEMBLY
51	8	8	4	4			AN4C47A	BOLT
52	16	16	8	8			D2570	BUSHING
53	8	8	4	4			MS21043-4	NUT
54			1	1			D3405-043	LUG ASSEMBLY
60	1	1	1	1			D3407-041	TOW RING ASSEMBLY
61	1	1	1	1			D3456-1	WASHER
62	1	1	1	1			MS21043-4	NUT
63	2	2	2	2			D3417-5	WASHER

WAS:

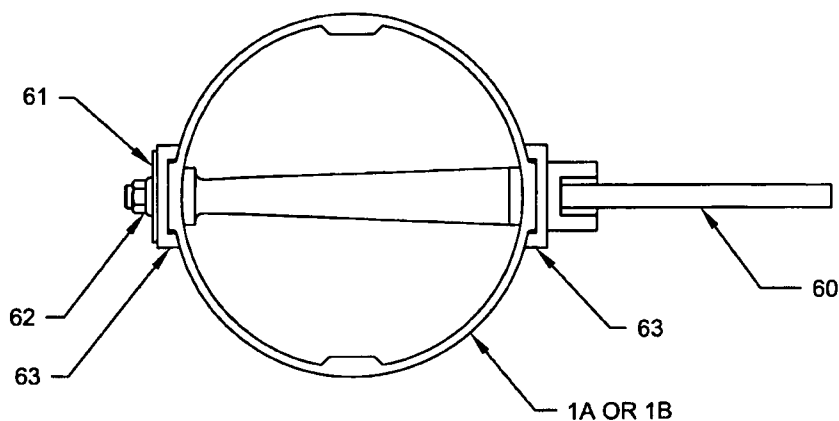
50	4	4	1	1			D2736-1	GHW LUG
51	8	8	4	4			AN4-46A	BOLT
52	16	16	8	8			D2570	BUSHING
53	8	8	4	4			MS21042L4	NUT (OR MS21042-4)
54			1	1			D2736-3	GHW LUG
60	1	1	1	1			D2968-041	TOW RING
61	1	1	1	1			AN970-4	WASHER
62	1	1	1	1			MS21042L4	NUT (OR MS21042-4)

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	AJS	
CHECKED		DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9450 SHEET 2 OF 3
APPROVED		TITLE SCALE
DE APPR.		SKIDTUBE INSTALLATIONS NTS
DATE	09.02.24	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.

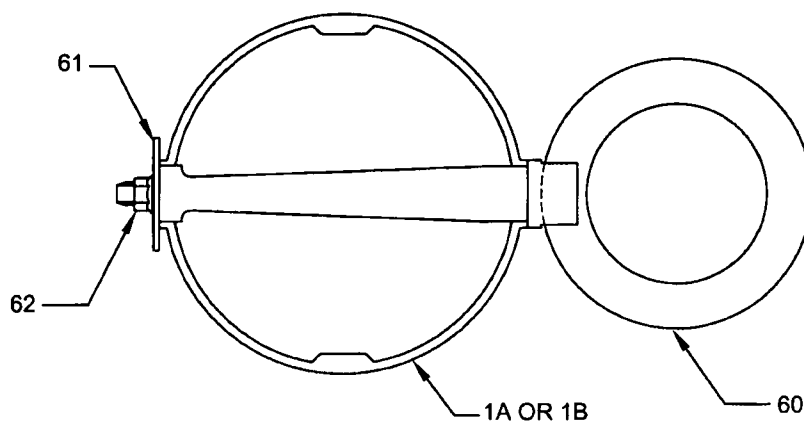
INSTALL TOW RING ASSEMBLY AS SHOWN BELOW (REFER TO SECTION F-F OF IIN-D209-669 REV. B.

52152

IS:



WAS:



NO PICTORIAL CHANGE REQUIRED FOR GROUND HANDLING WHEEL LUG CHANGES.

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9450	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SKIDTUBE INSTALLATIONS	NTS
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